

Fig. 1

With Offsets F and no Overlay Error

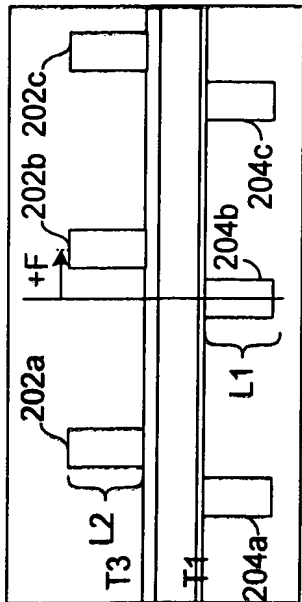
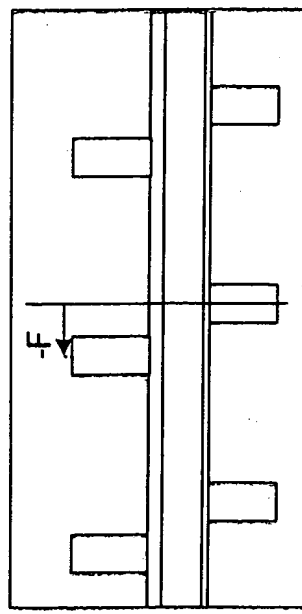


Fig. 2(a)

Fig. 2(b)



With Offsets $F + f_0$ and no Overlay Error

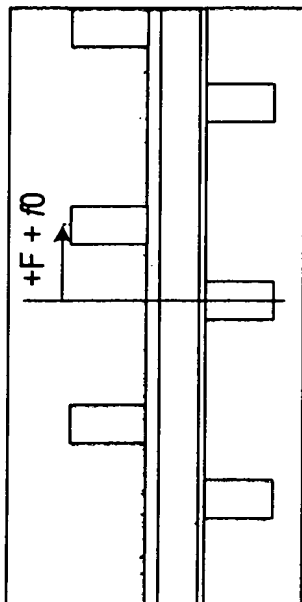
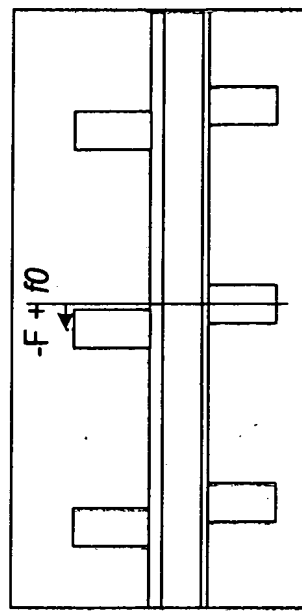


Fig. 2(c)

Fig. 2(d)



With Offsets $F + f_0$ and Overlay Error E

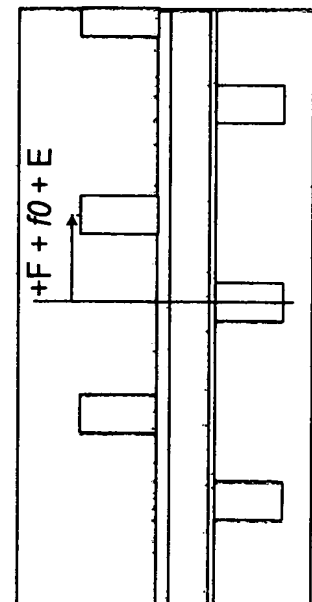
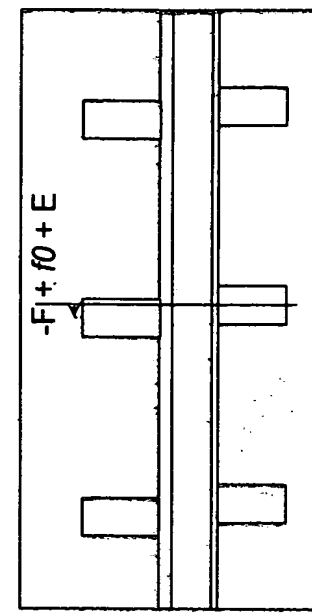


Fig. 2(e)

Fig. 2(f)



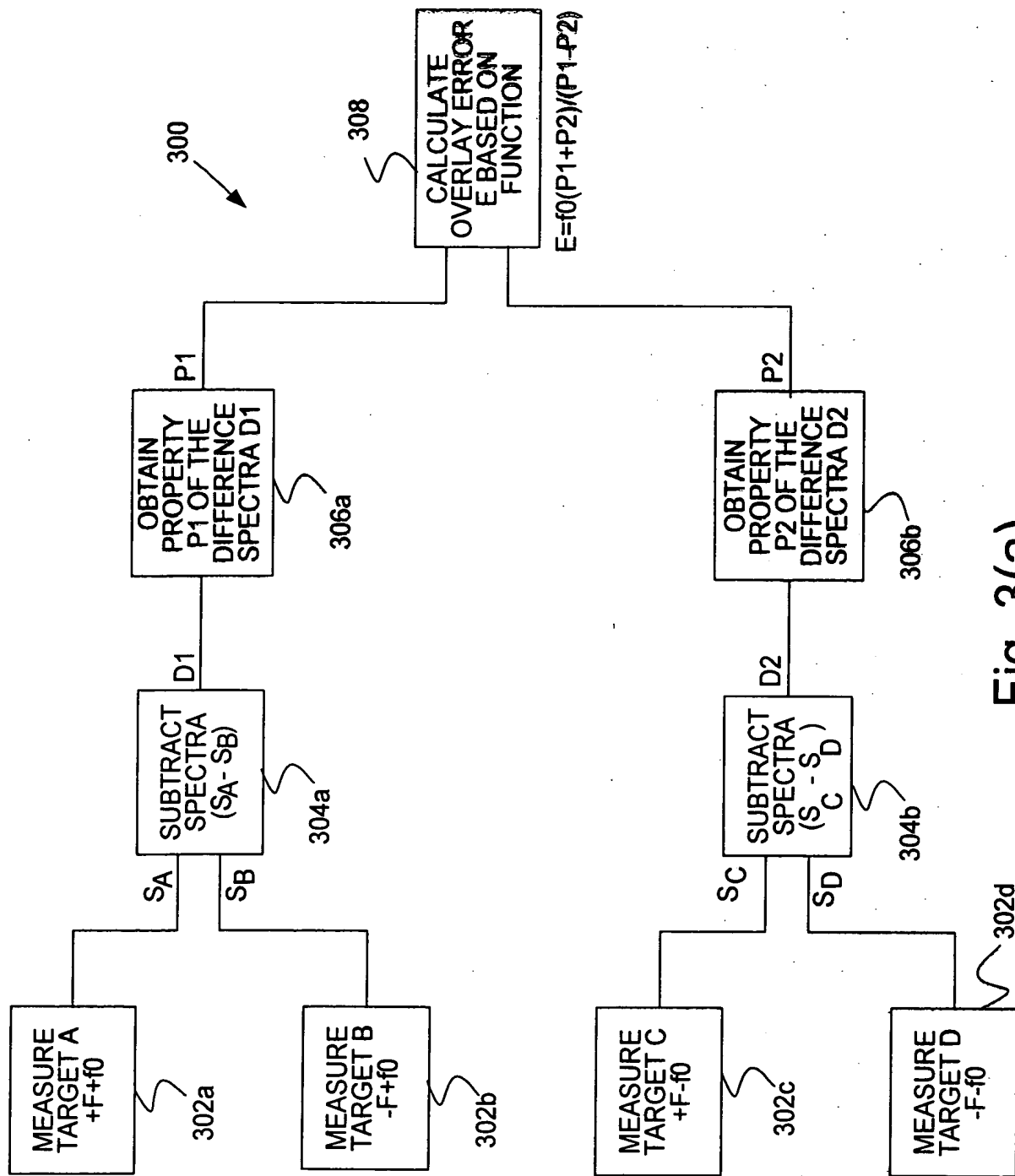
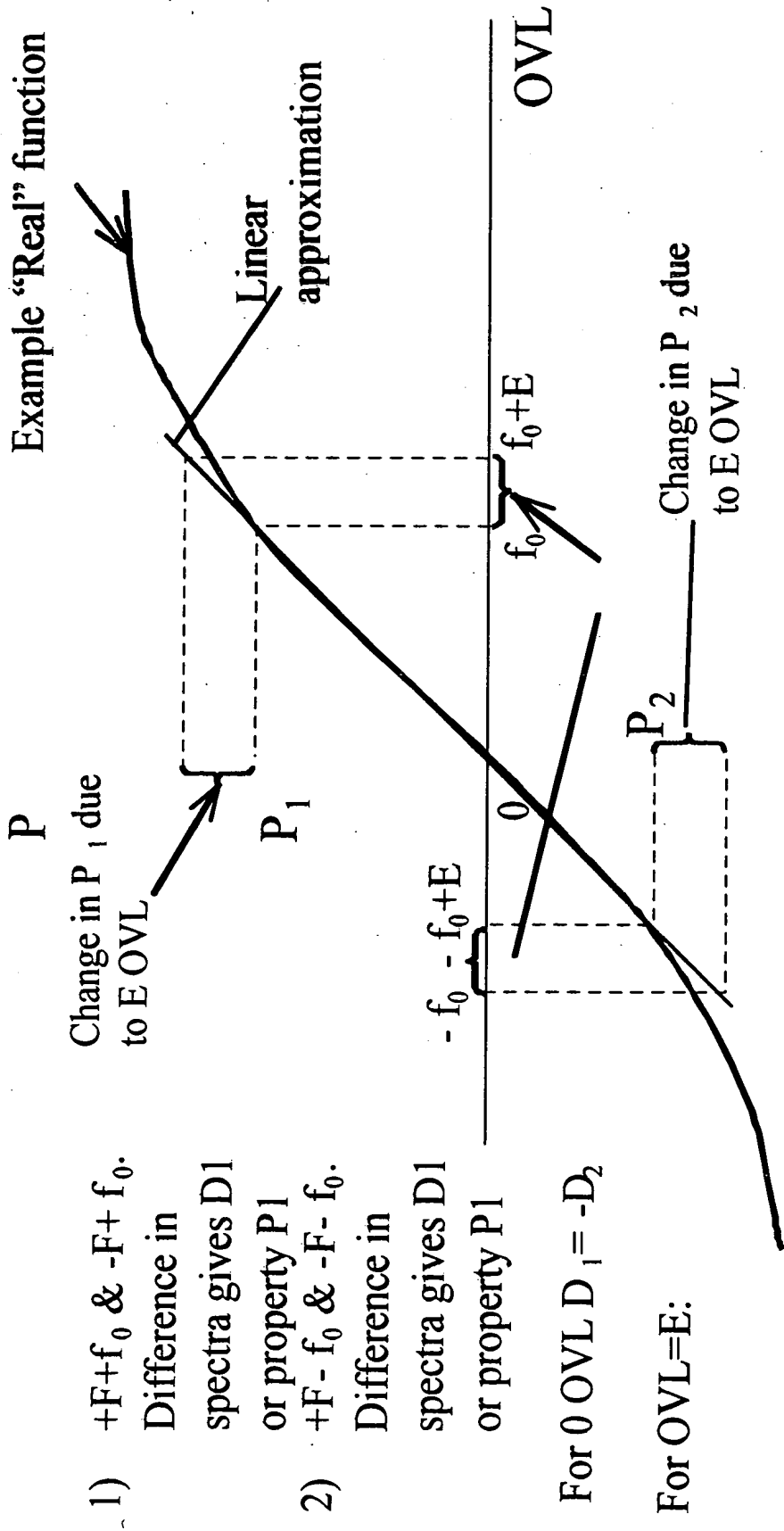


Fig. 3(a)



- 1) $+F + f_0$ & $-F + f_0$.
Difference in spectra gives D1 or property P1
- 2) $+F - f_0$ & $-F - f_0$.
Difference in spectra gives D1 or property P1

For 0 OVL $D_1 = -D_2$

For OVL=E:

$$\frac{P_1}{+f_0 + E} = \frac{P_2}{-f_0 + E} \Rightarrow E = f_0 \frac{P_1 + P_2}{P_1 - P_2}$$

Fig. 3(b)

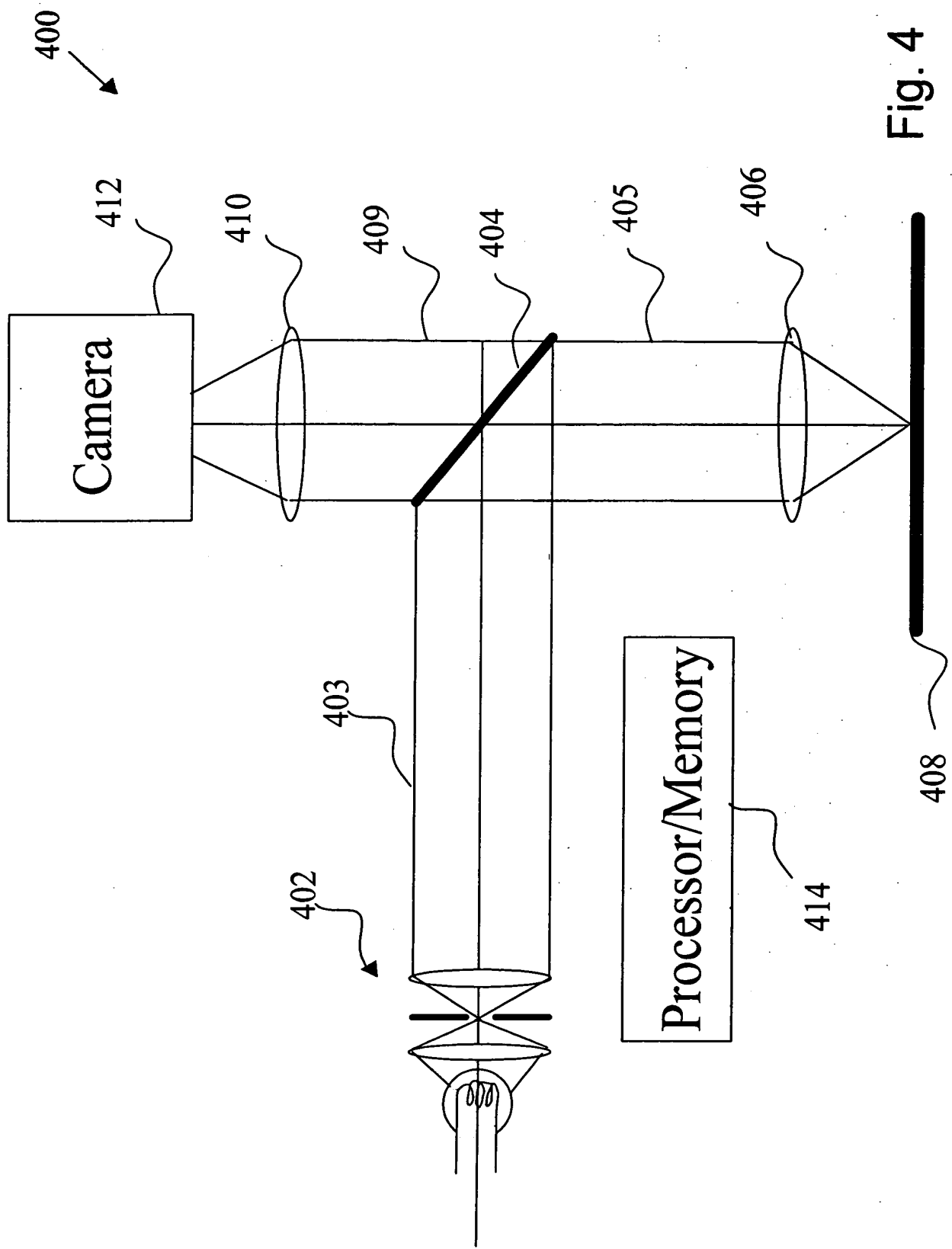


Fig. 4

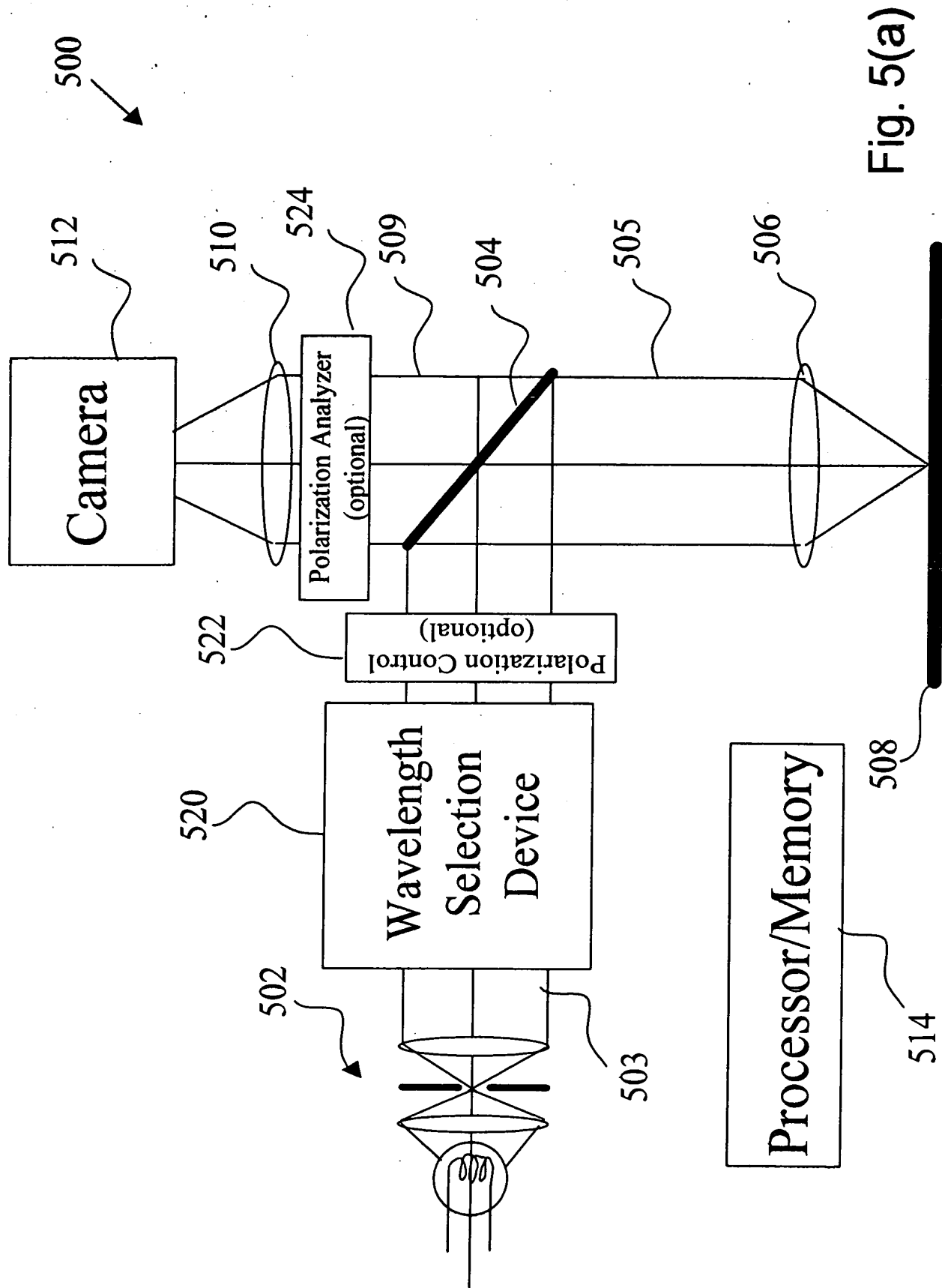


Fig. 5(a)

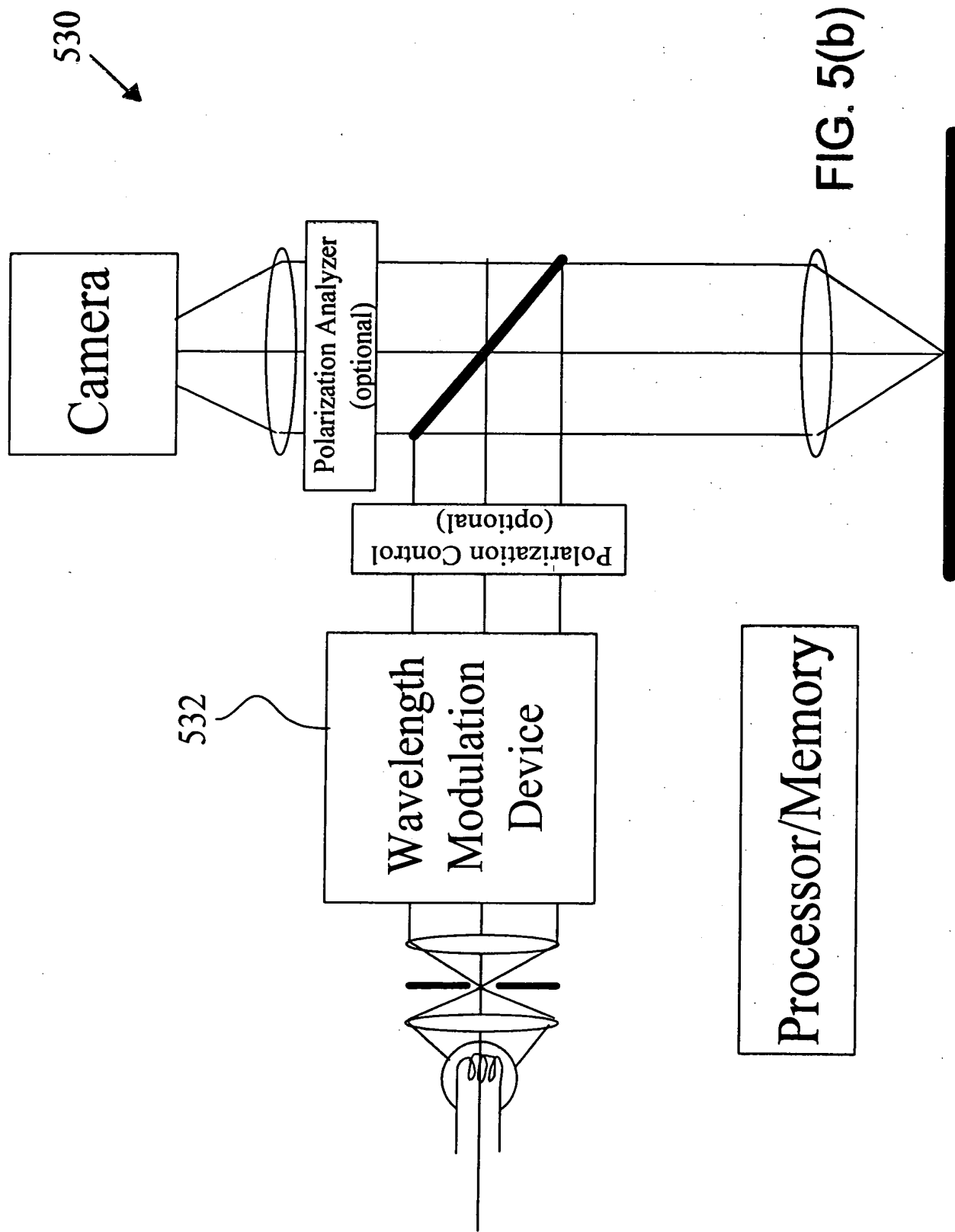


FIG. 5(b)

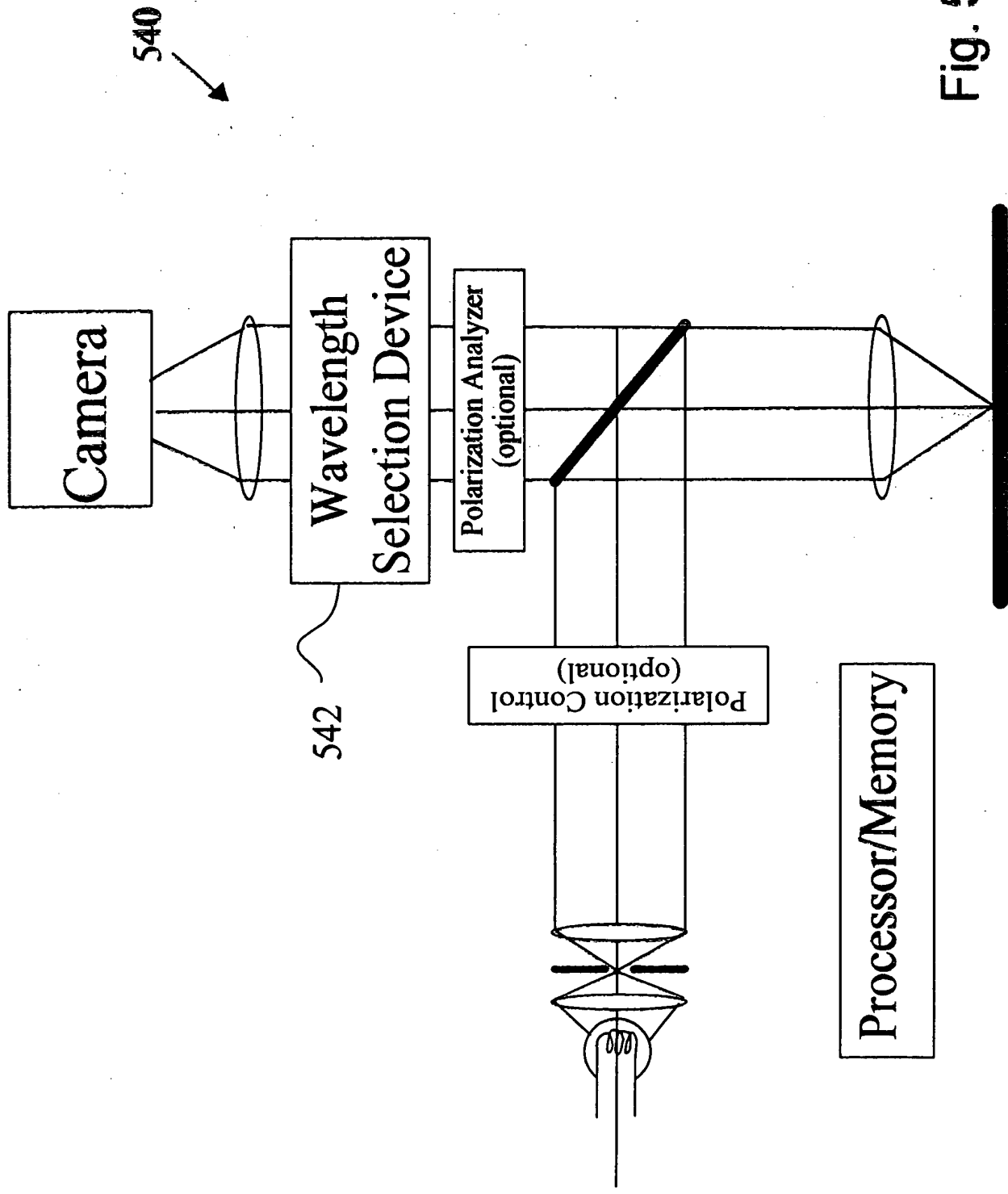


Fig. 5(c)

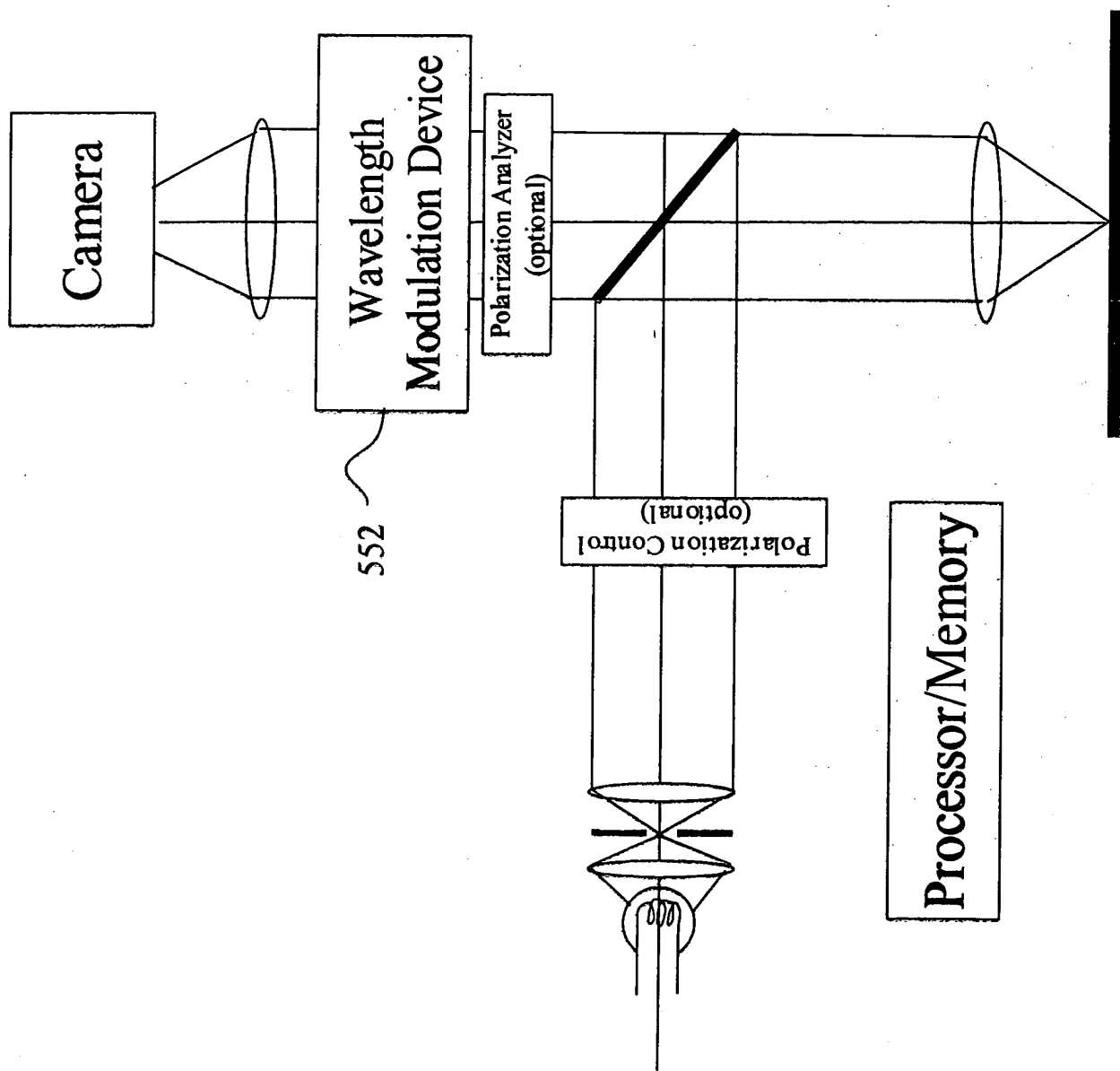


Fig. 5(d)

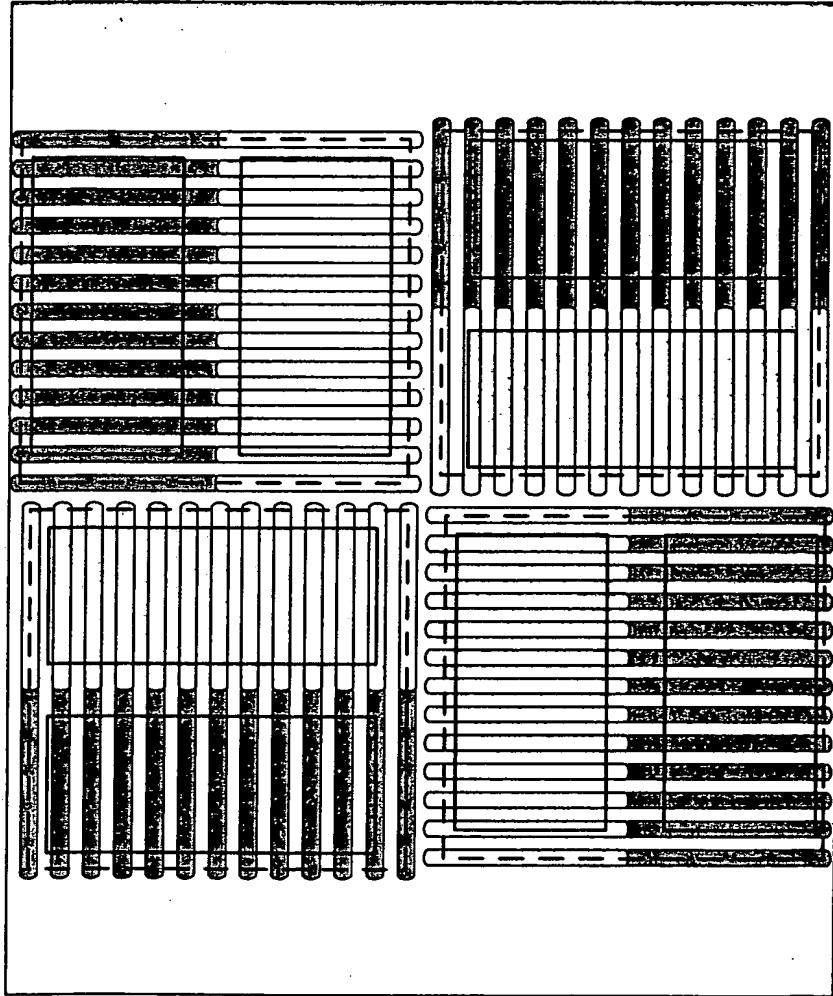


FIG. 5(e)

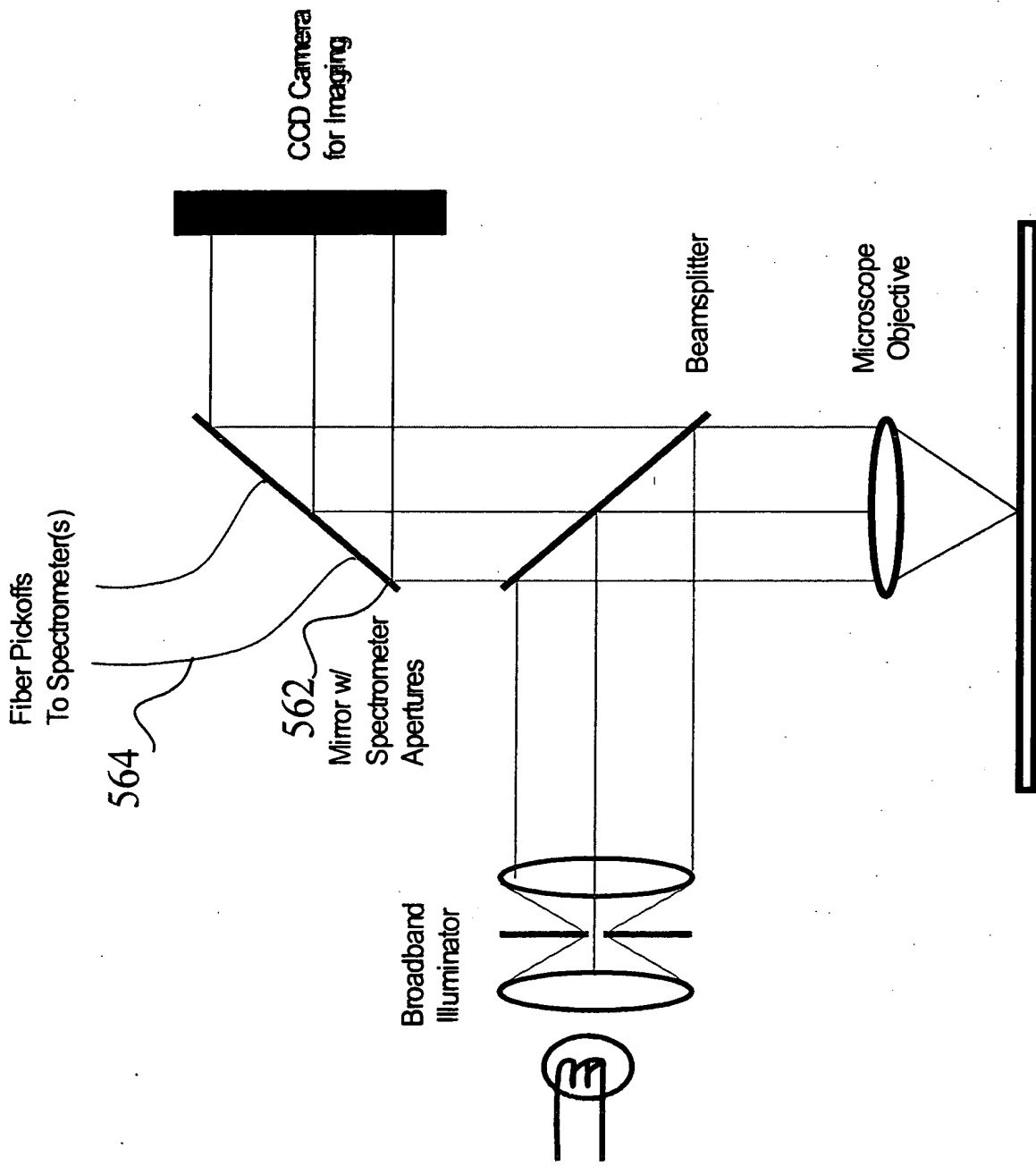


FIG. 5(f)

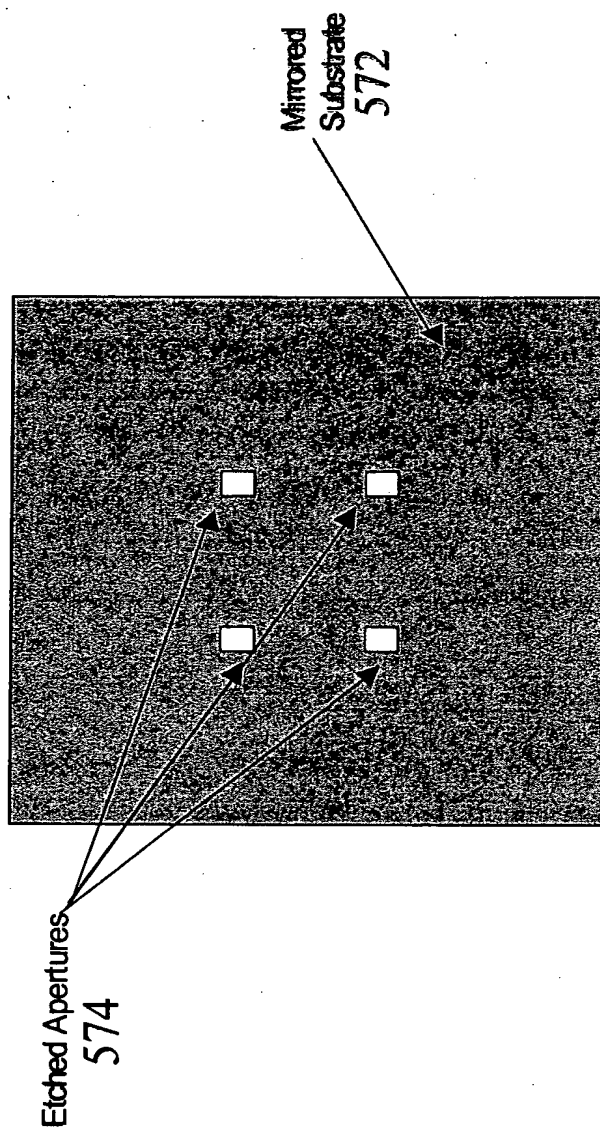


FIG. 5(g)

Missing parts of image
where spectrometers sample
582

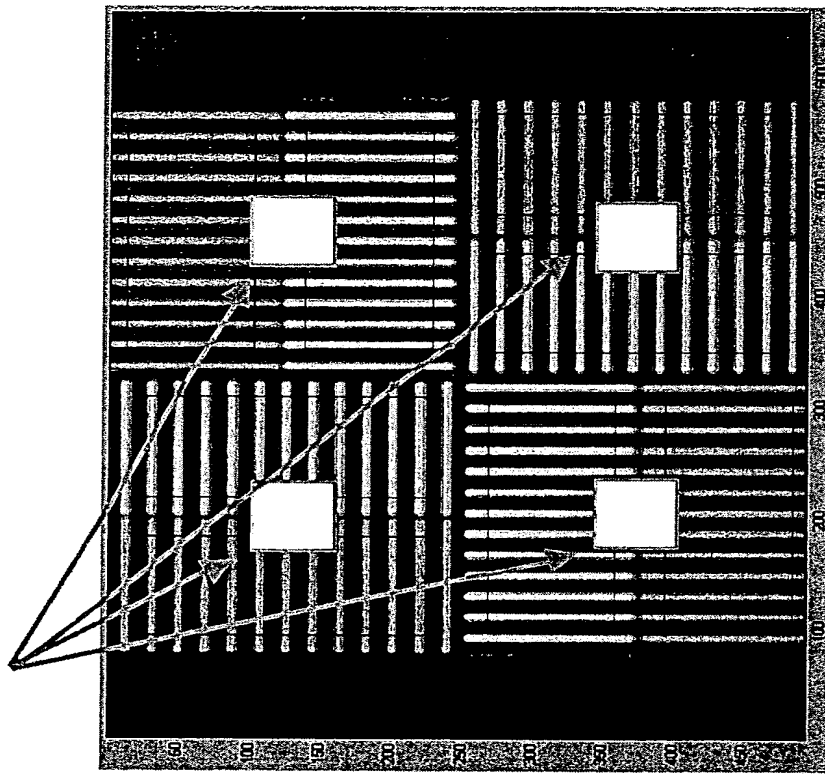


FIG. 5(h)

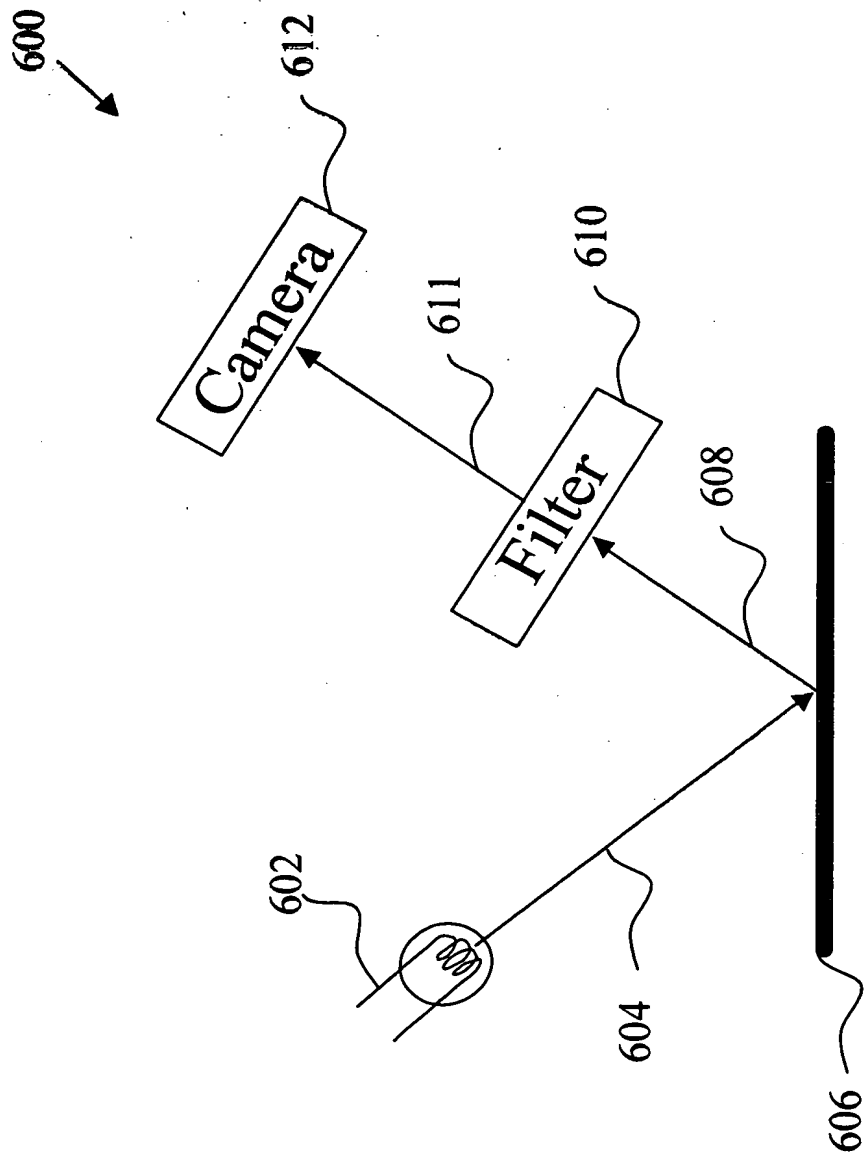


Fig. 6

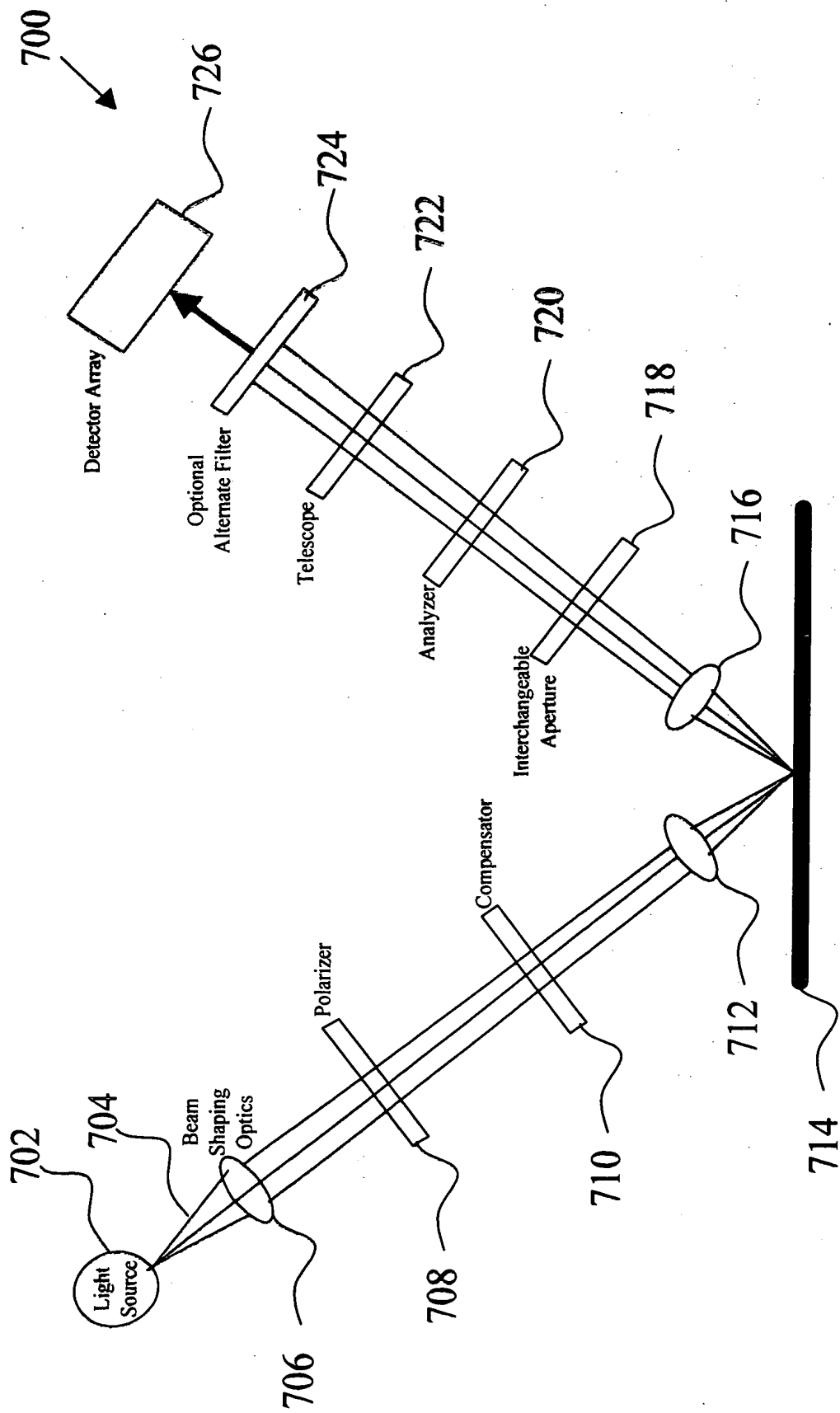


Fig. 7

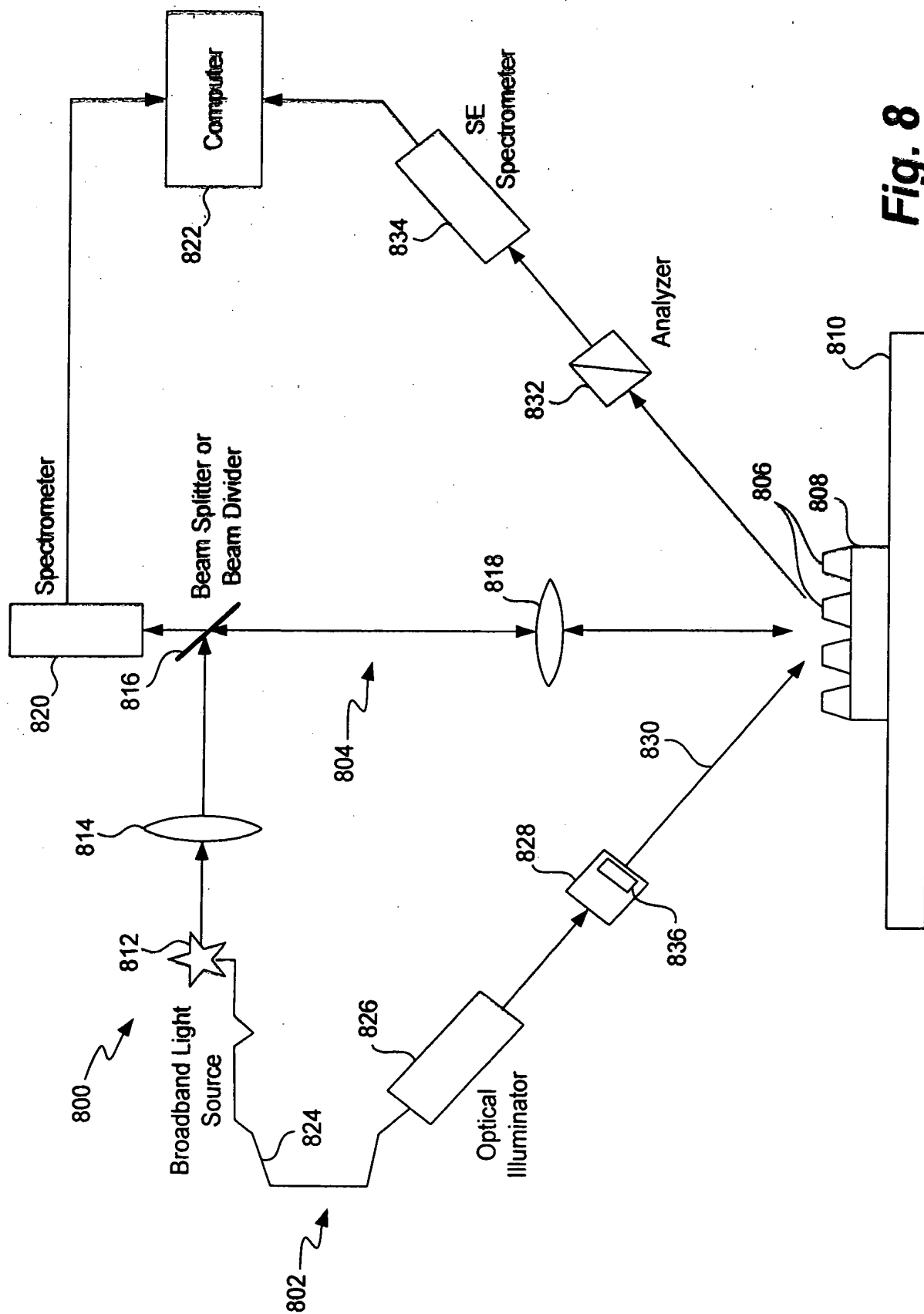


Fig. 8

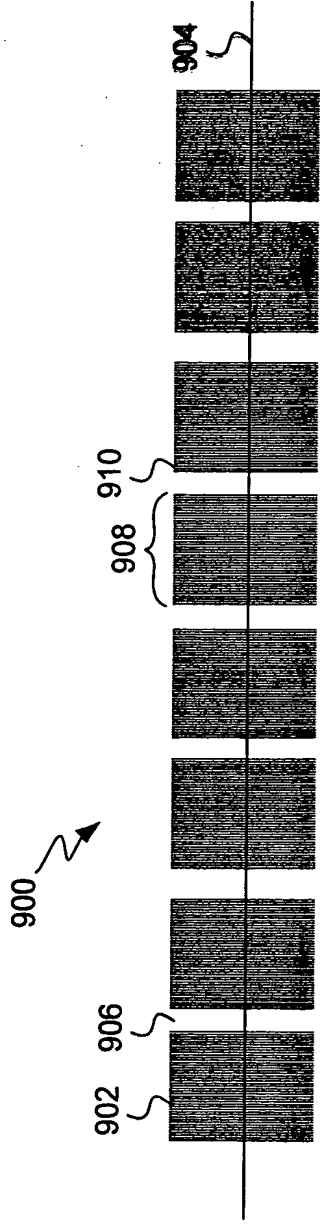


Fig. 9(a)

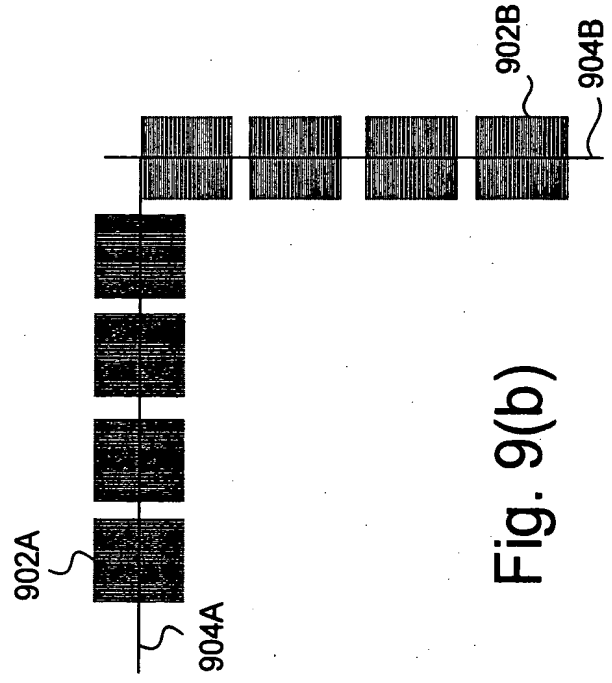


Fig. 9(b)

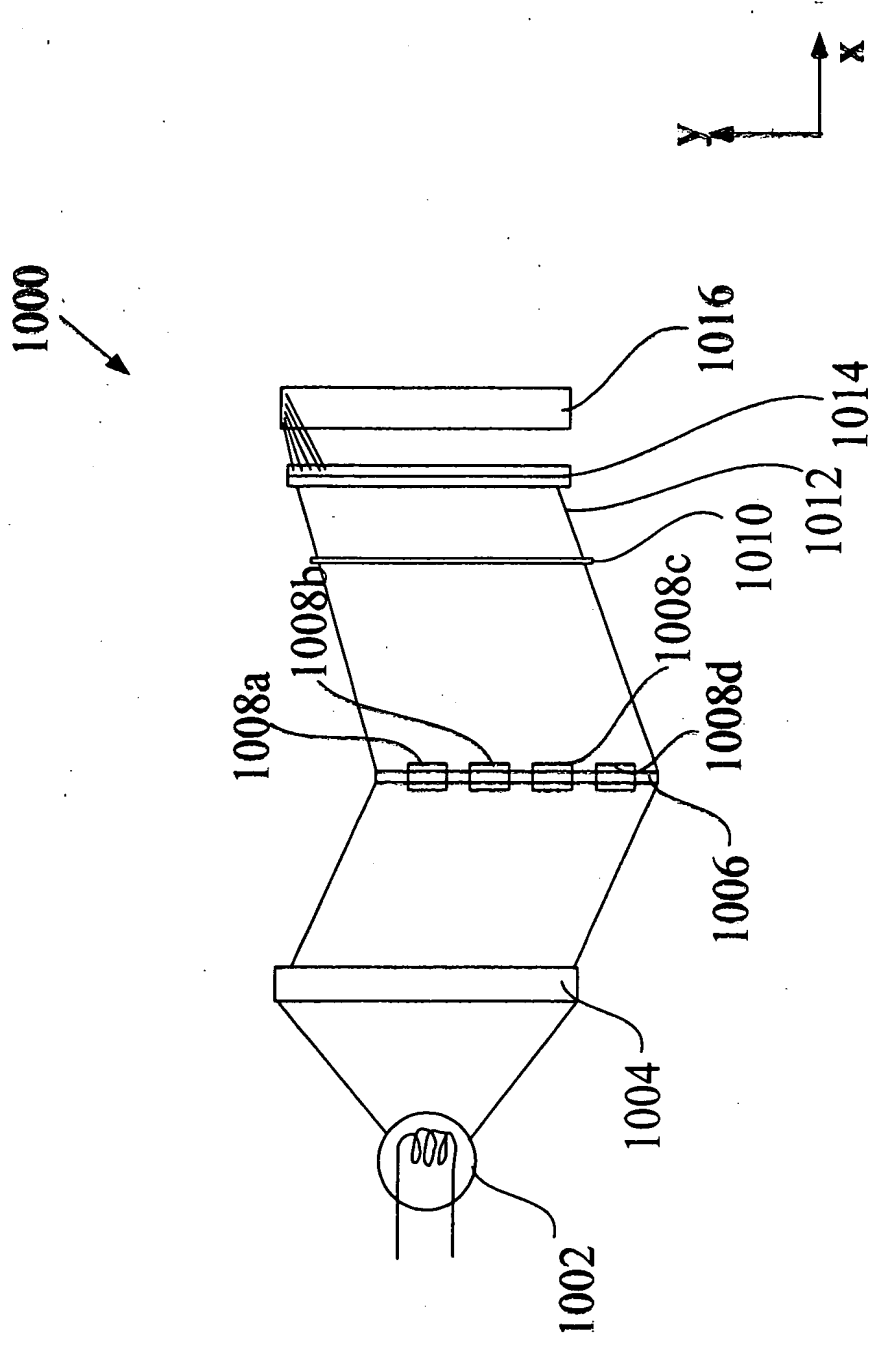


Fig. 10

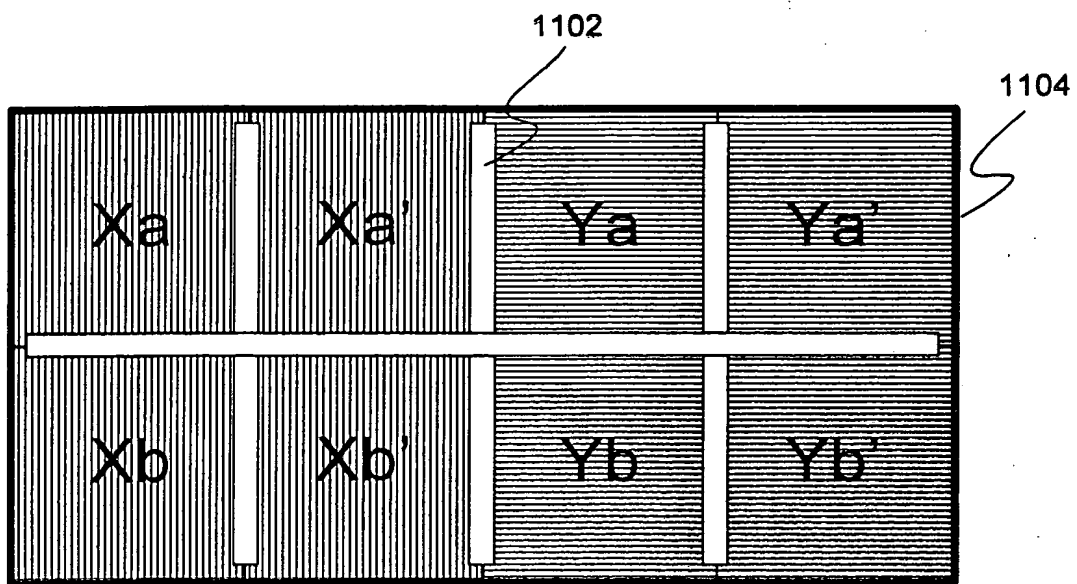


Fig. 11a

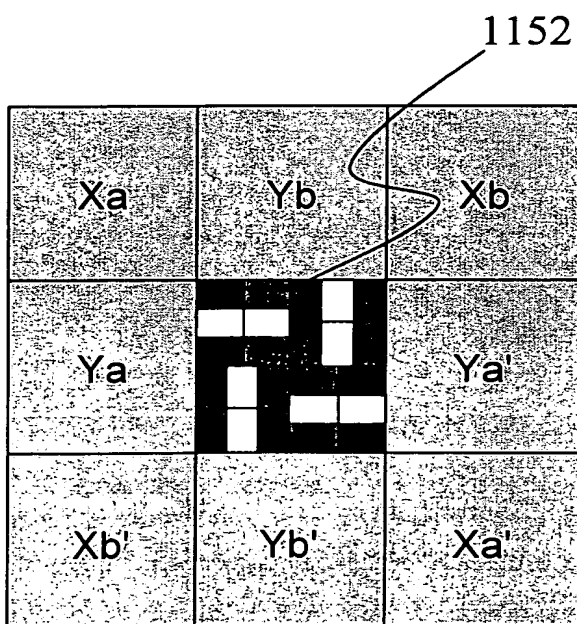


Fig. 11b

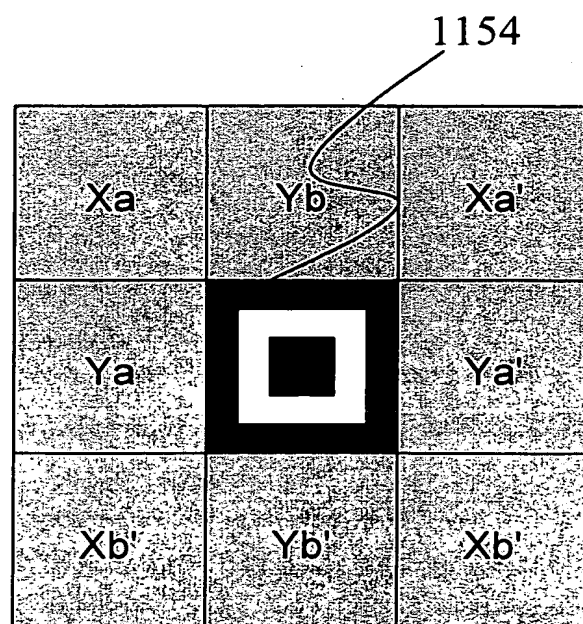


Fig. 11c

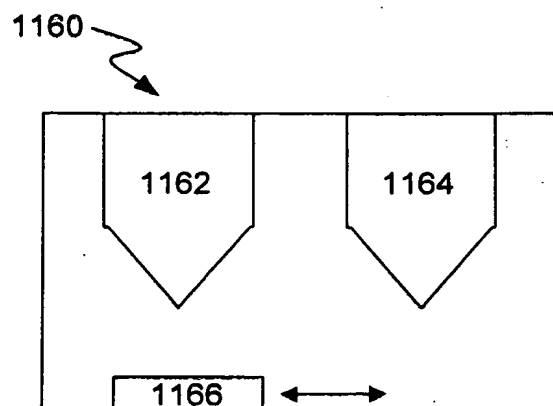


Fig. 11d

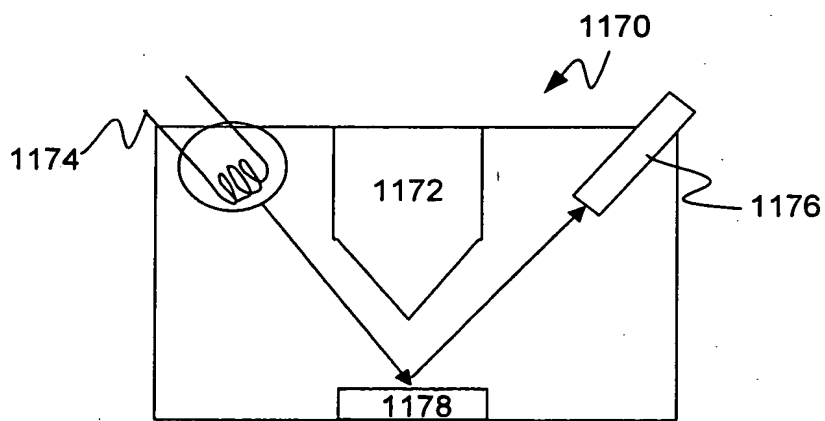
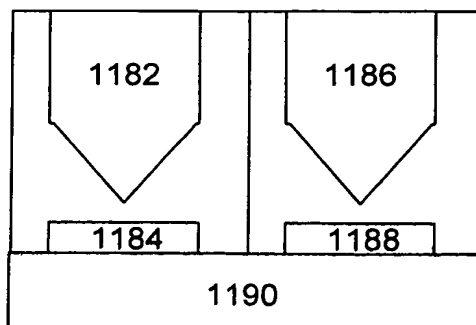


Fig. 11e



1180

Fig. 11f

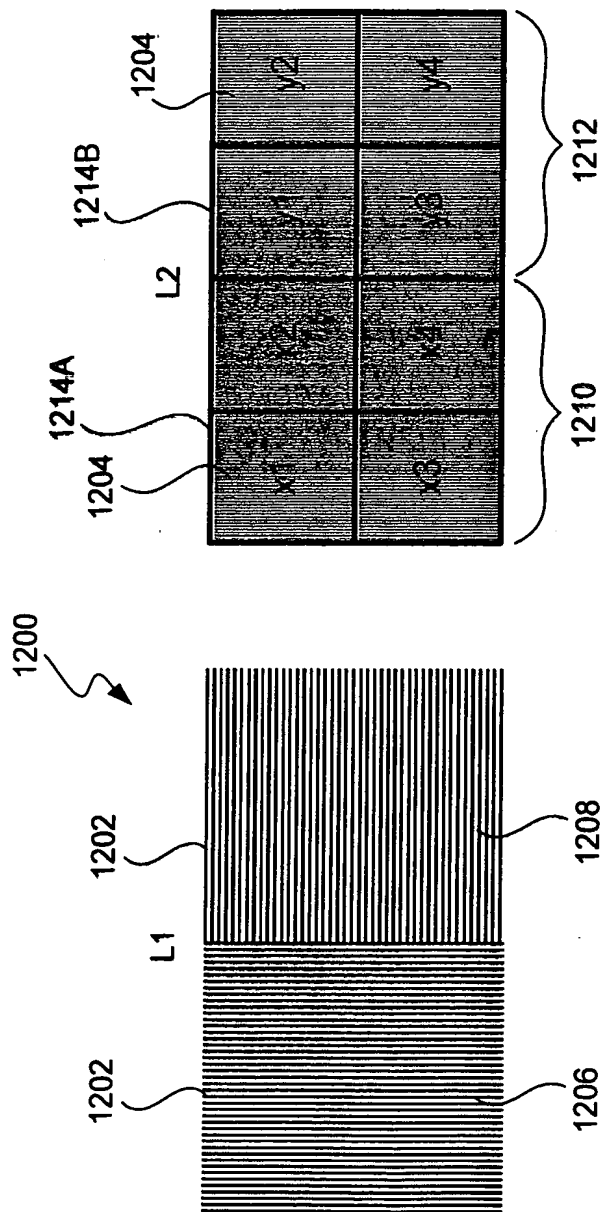


Fig. 12

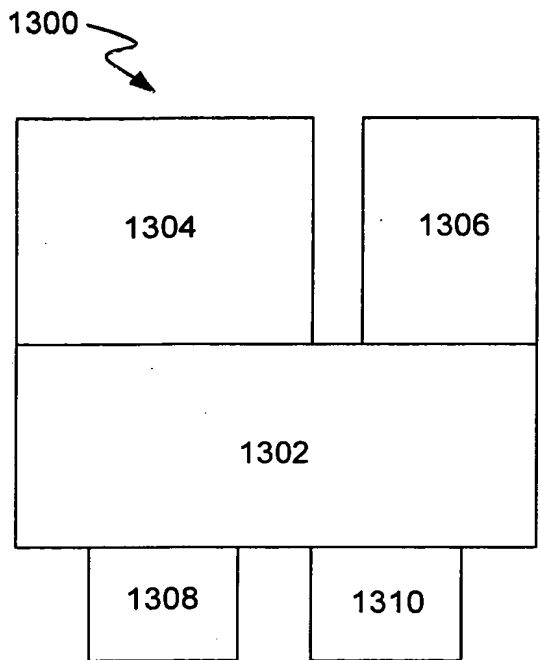


Fig. 13(a)

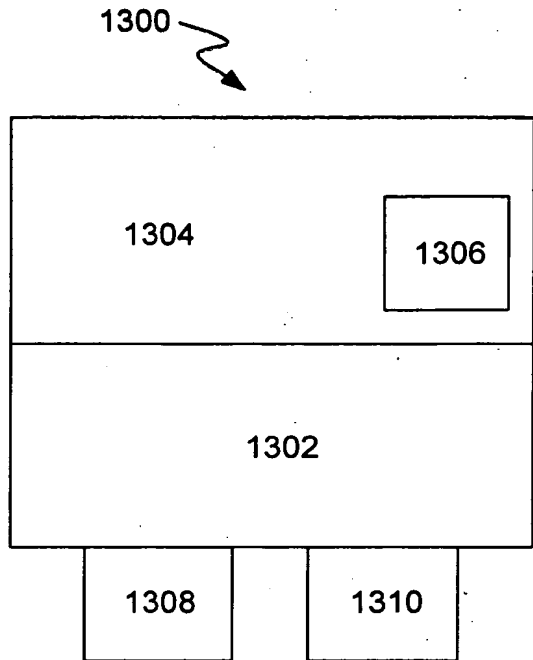


Fig. 13(b)

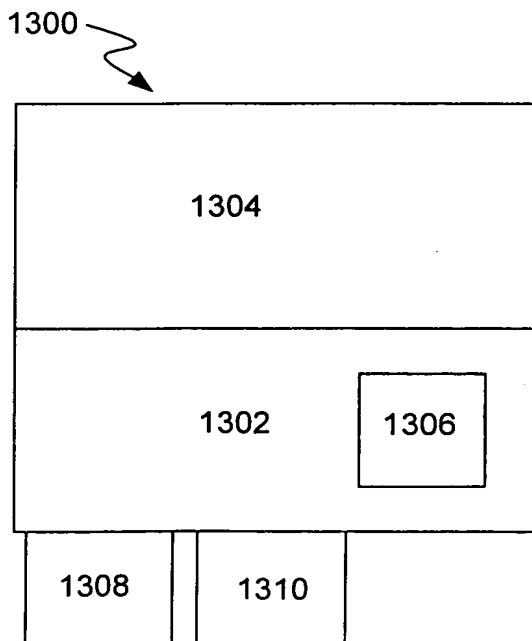


Fig. 13(c)

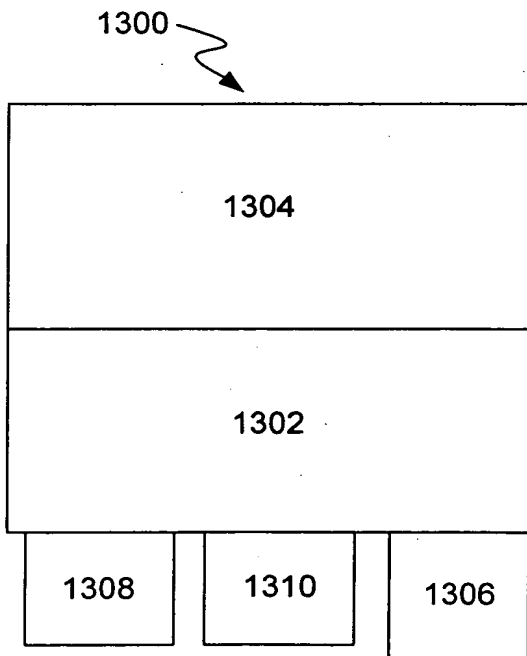


Fig. 13(d)

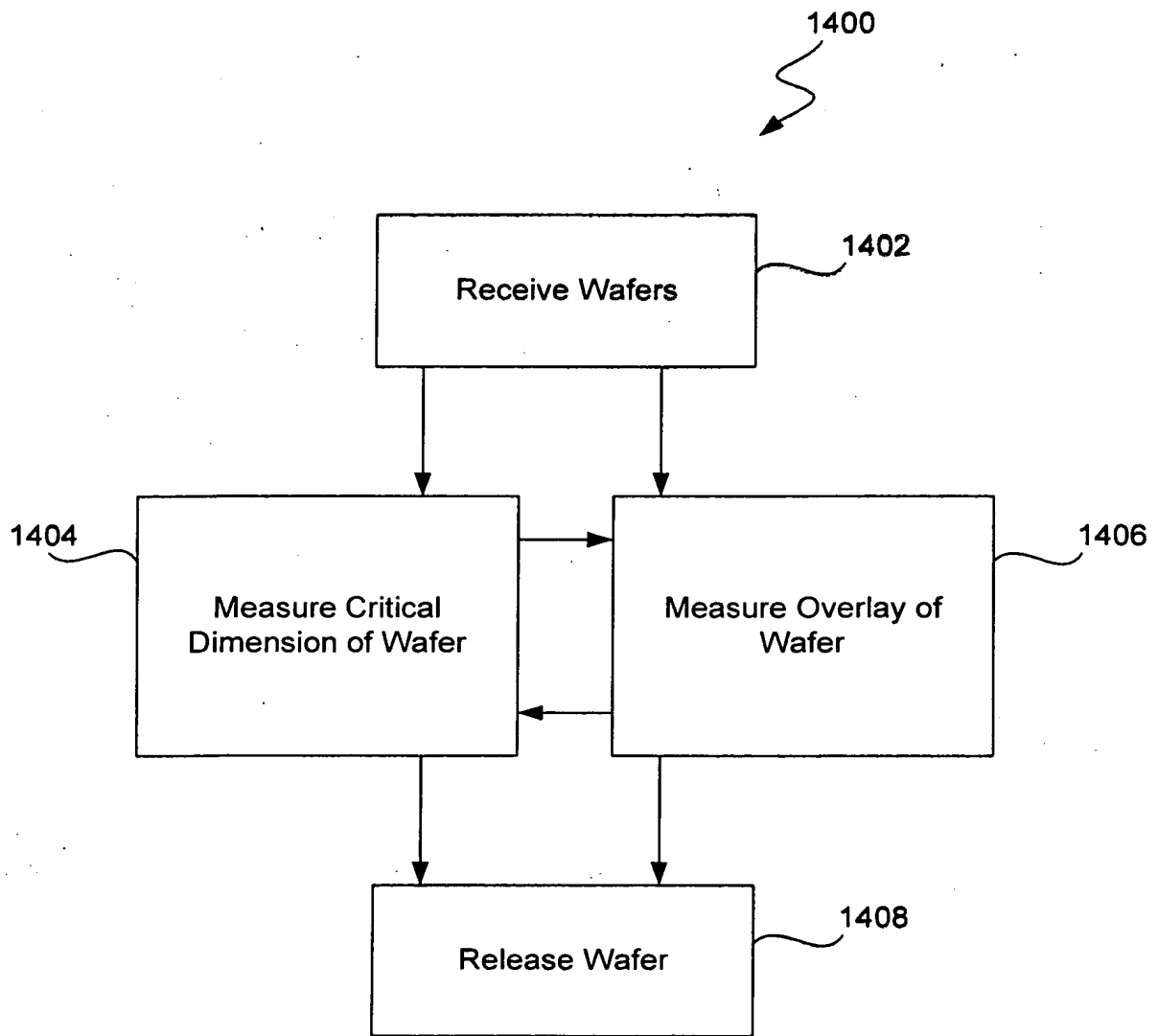


Fig. 14

